

FIG. 1A

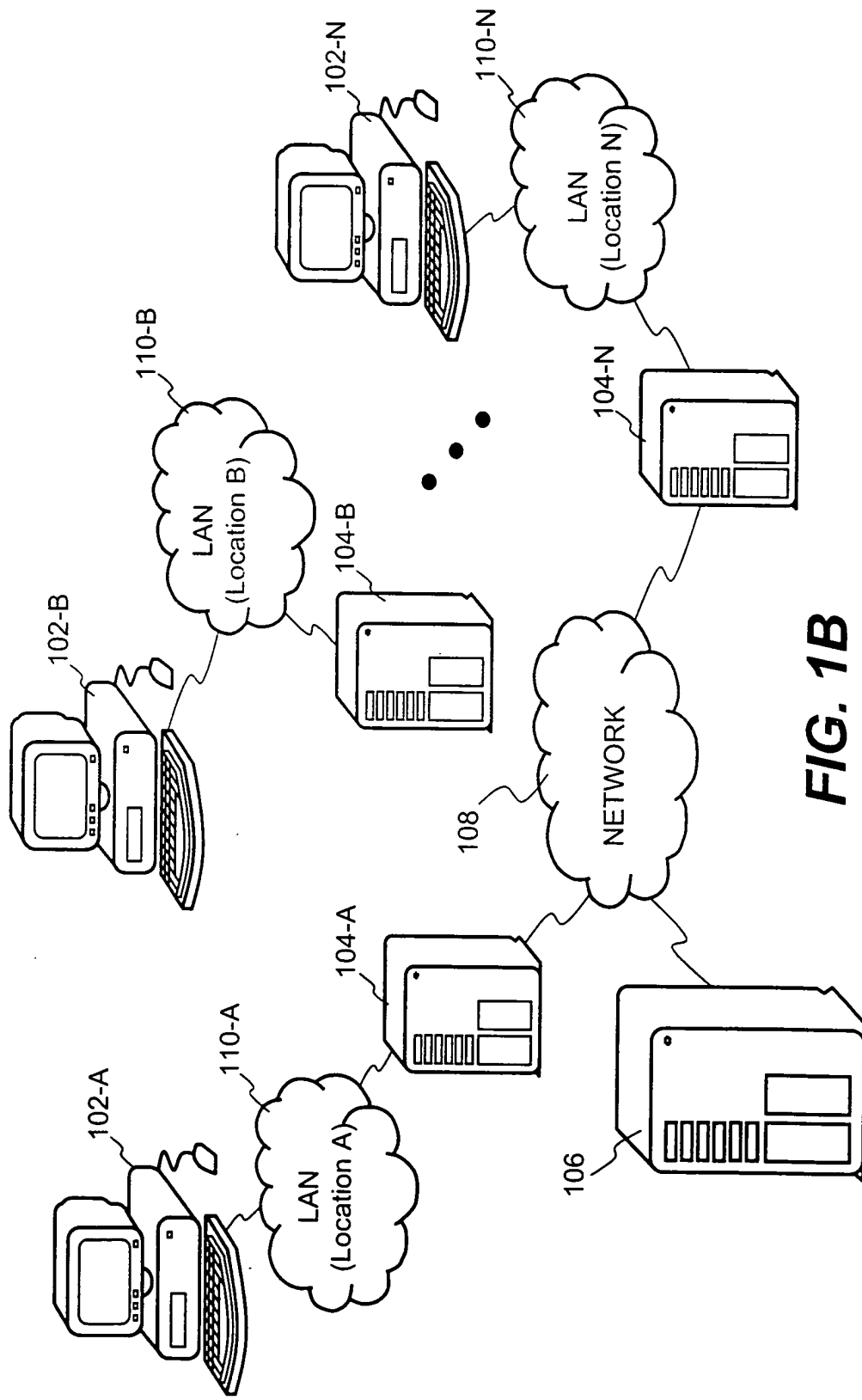
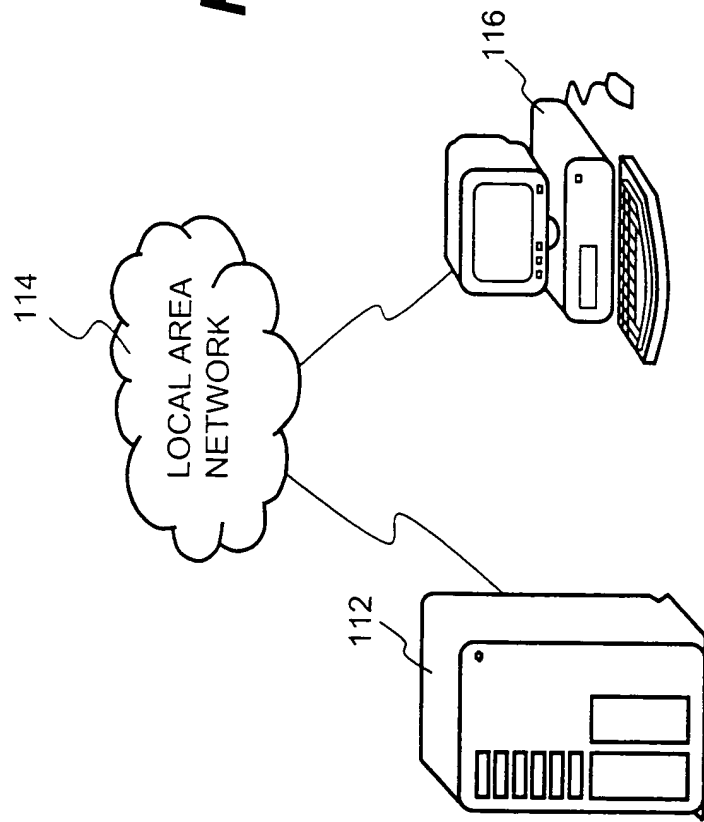


FIG. 1B

FIG. 1C



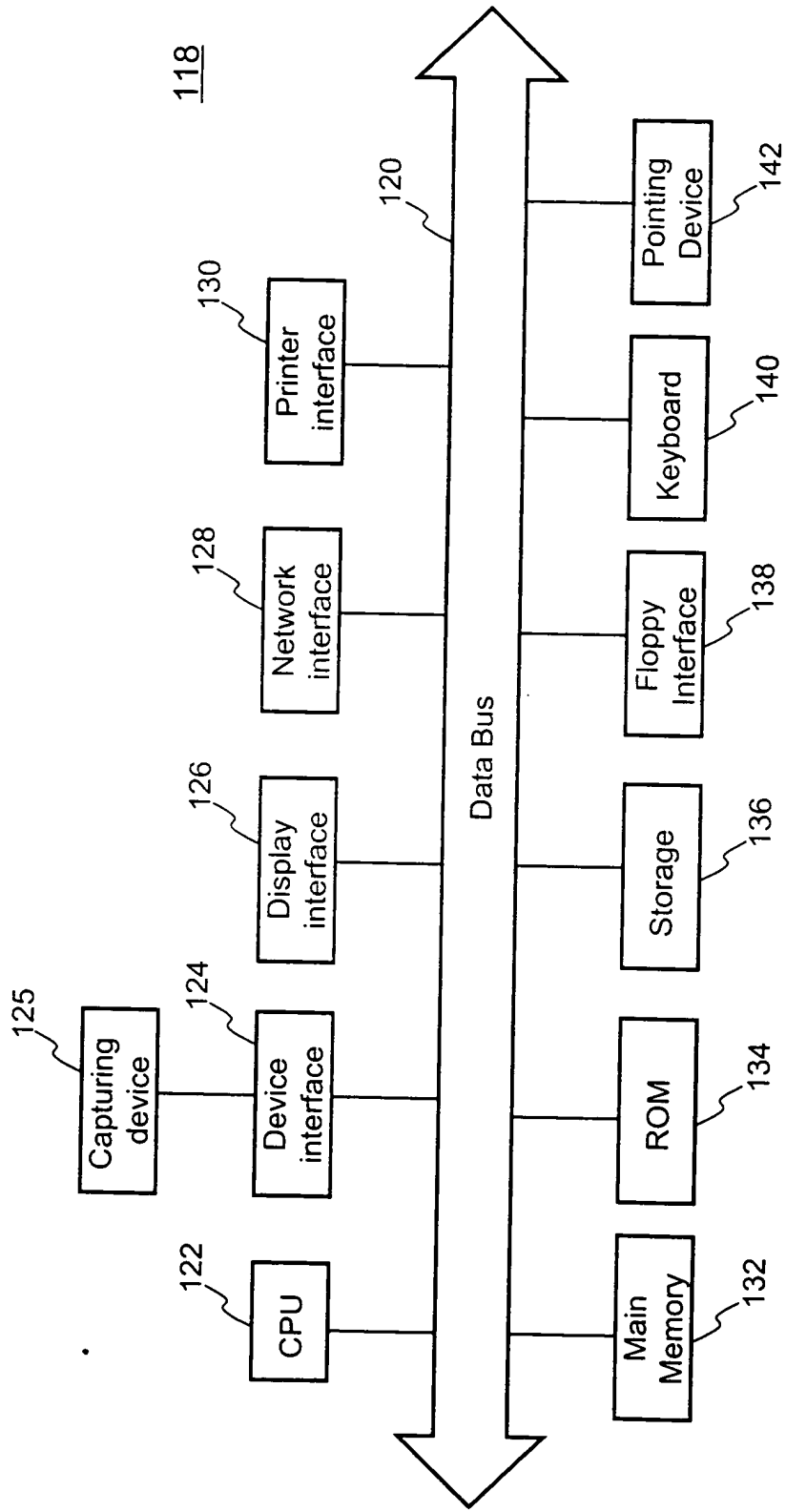
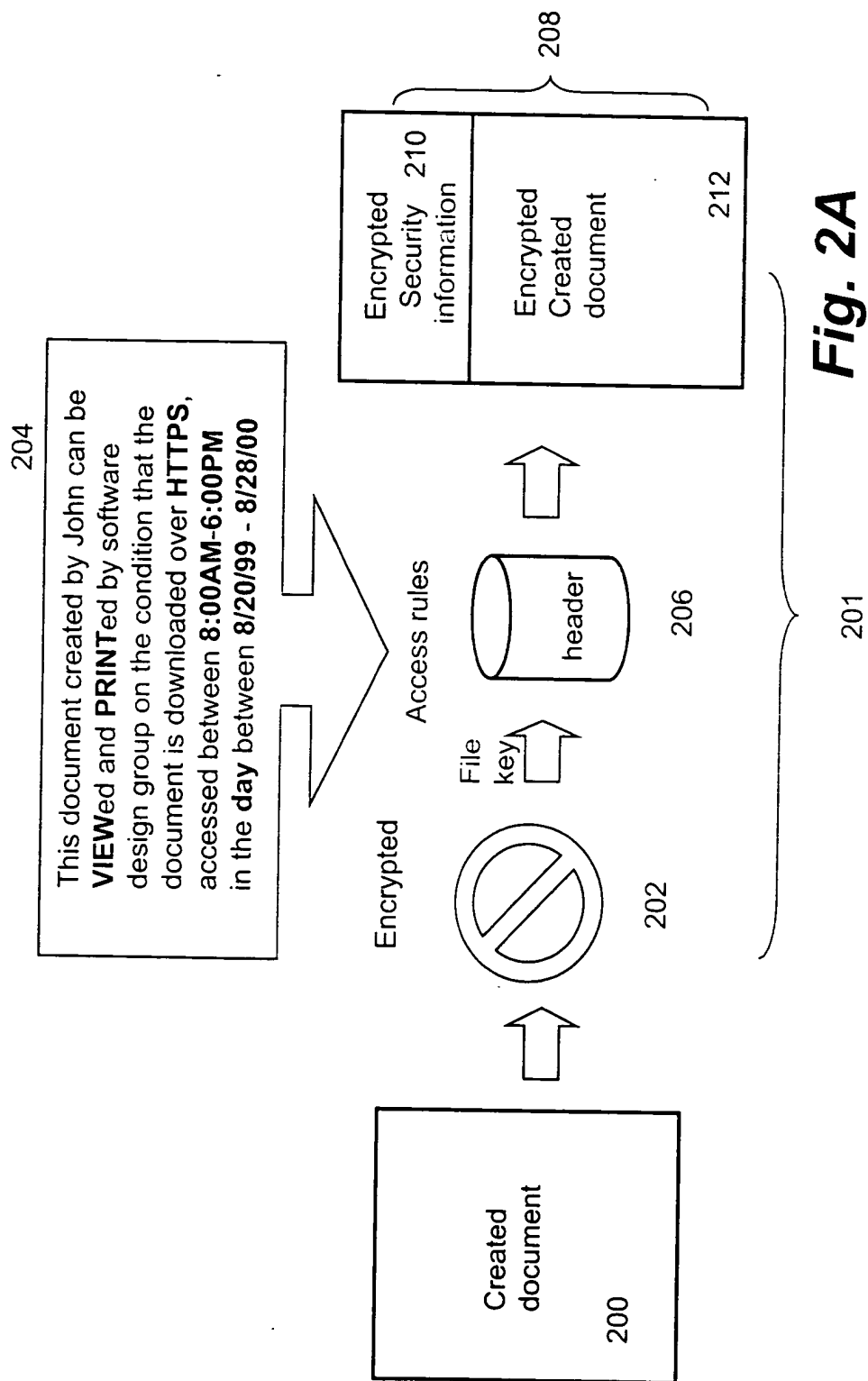


Fig. 1D

[illegible]

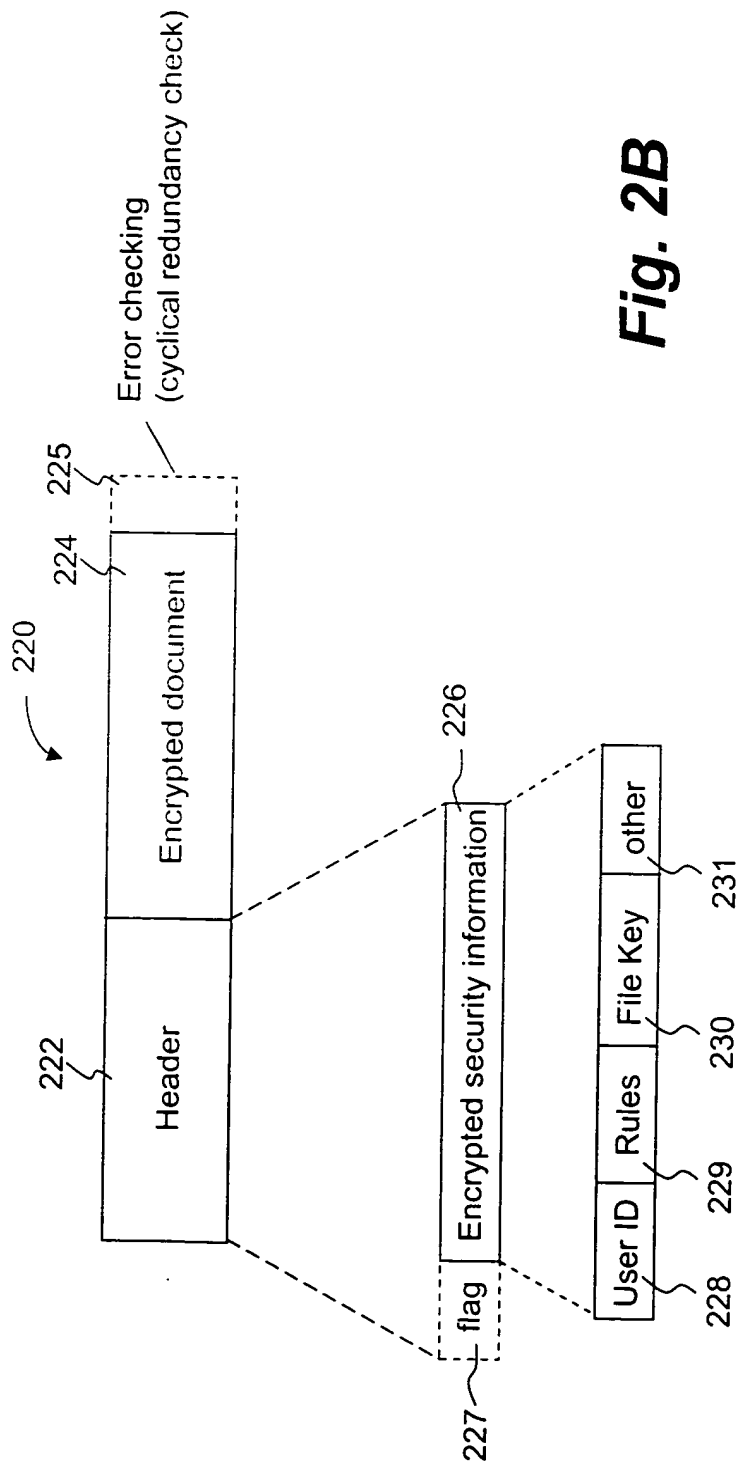


Fig. 2B

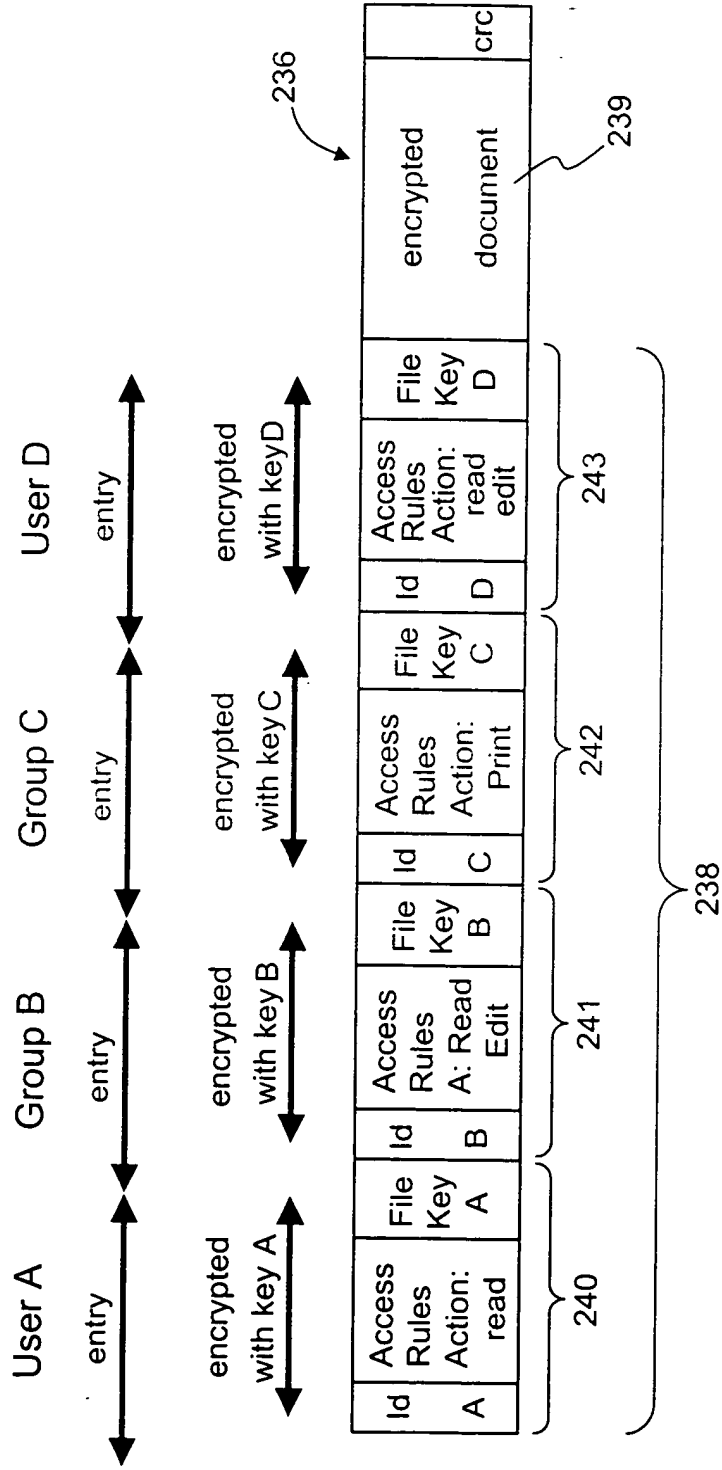


Fig. 2C.1

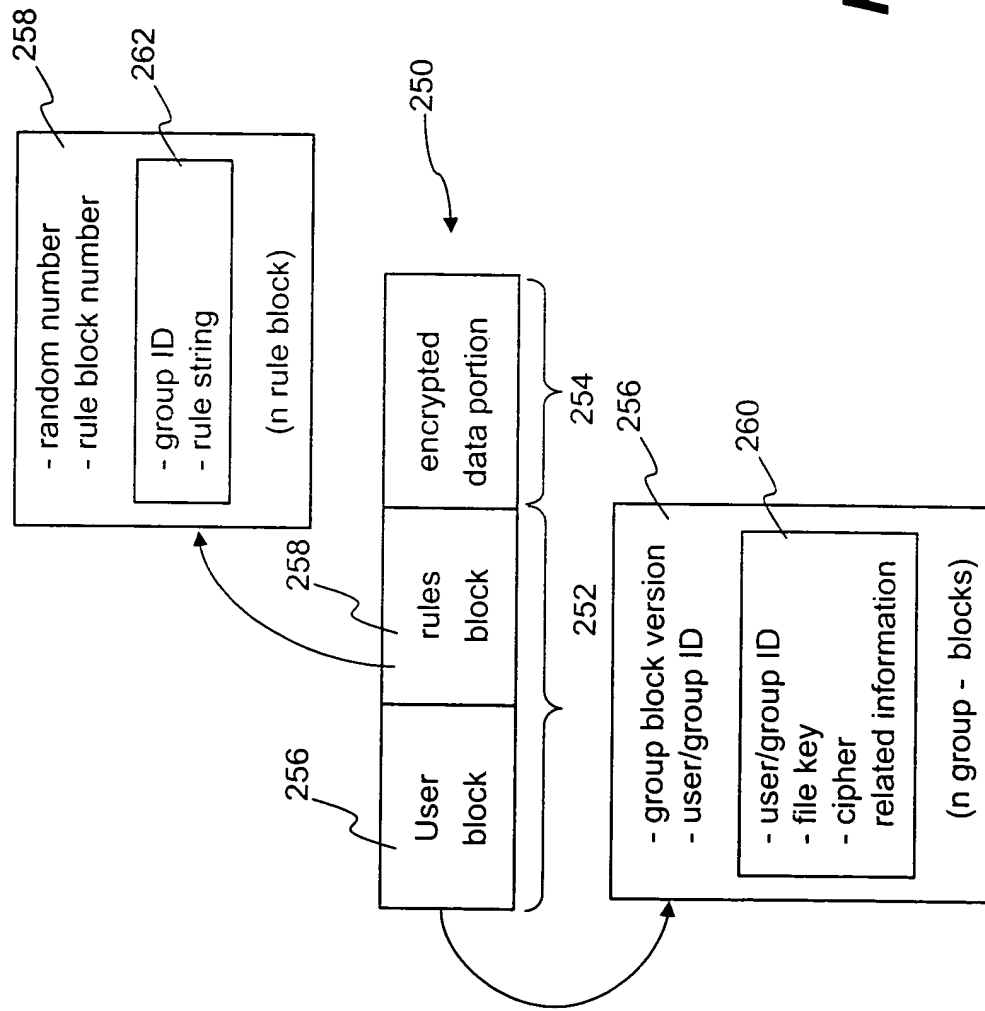


Fig. 2C.2

```

<header>
<header_version>
1.0
</header_version>
<key_blocks_list>
<key_blocks_list_version>
1.0
</key_blocks_list_version>
<key_block>
<key_block_version>
1.0
</key_block_version>
<group_id> www.xyz.com/marketing </group_id>

< ** /* encrypted with Marketing's public-key */
<group_id> www.xyz.com/marketing </group_id>
<crypto>
<dek_mat>P39GJ439833IOOE93I5UR93U3945U439</dek_mat>
<enc_algo>
<name>
RIJNDael
</name>
<key_size> 256 </key_size>
<block_size> 128 </block_size>
</enc_algo>
<ses_enc_block_size> 4096 </ses_enc_block_size>
</crypto>
**>

</key_block>
</key_blocks_list>
</header>

```

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```

</key_block>
</key_block>
<key_block_version> 1.0 </key_block_version>
<group_id> www.xyz.com/engineering </group_id>

< ** /* encrypted with User1_Trivial_Group's public-key */
<group_id> www.xyz.com/engineering </group_id>
<crypto>
<dek_mat>P39GJ439833IOOE93I5UR93U3945U439</dek_mat>
<enc_algo>
<name>
RIJNDael
</name>
<key_size> 256 </key_size>
<block_size> 128 </block_size>
</enc_algo>
<ses_enc_block_size> 4096 </ses_enc_block_size>
</crypto>
**>

</key_block>
</key_blocks_list>
<rule_block_list>
<rule_block_list_version> 1.0 </rule_block_list_version>

<secure-info encryption="dek" block-size="1024">
<rule_block version="1.0">
<group_id> www.xyz.com/marketing </group_id>
<rule_xml_string> ... </rule_xml_string>
</rule_block>
<rule_block version="1.0">
<group_id> www.xyz.com/engineering </group_id>
<rule_xml_string> ... </rule_xml_string>
</rule_block>
</secure-info>

</rule_blocks_list>
</header>

```

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Fig. 2C.3

AdmGrp : GUI

Group to pickup users:
Group C

User Names
User 15
User 16
User 17
User 18
User 19

Add
Delete

Group to setup:
Group B

User Names
User 20
User 21
User 22
User 23
User 24
User 25
User 26
User 27
User 28
User 29
User 30

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Rights about other groups:
☐ Adm Rights
☒ Close
☐ Grant group creation
☐ Grant to set or no closed groups

Default rights for files in this group:
☒ Read
☒ Update
☒ Delete
☐ Change group

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Apply
Administrator Menu

Fig. 2D

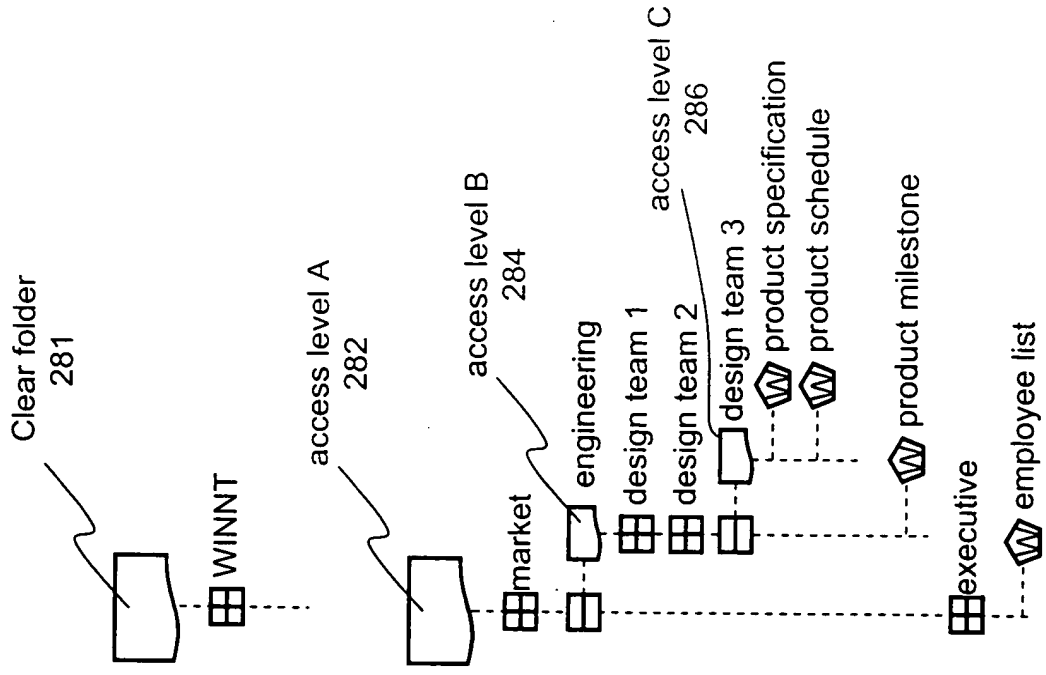


Fig. 2E

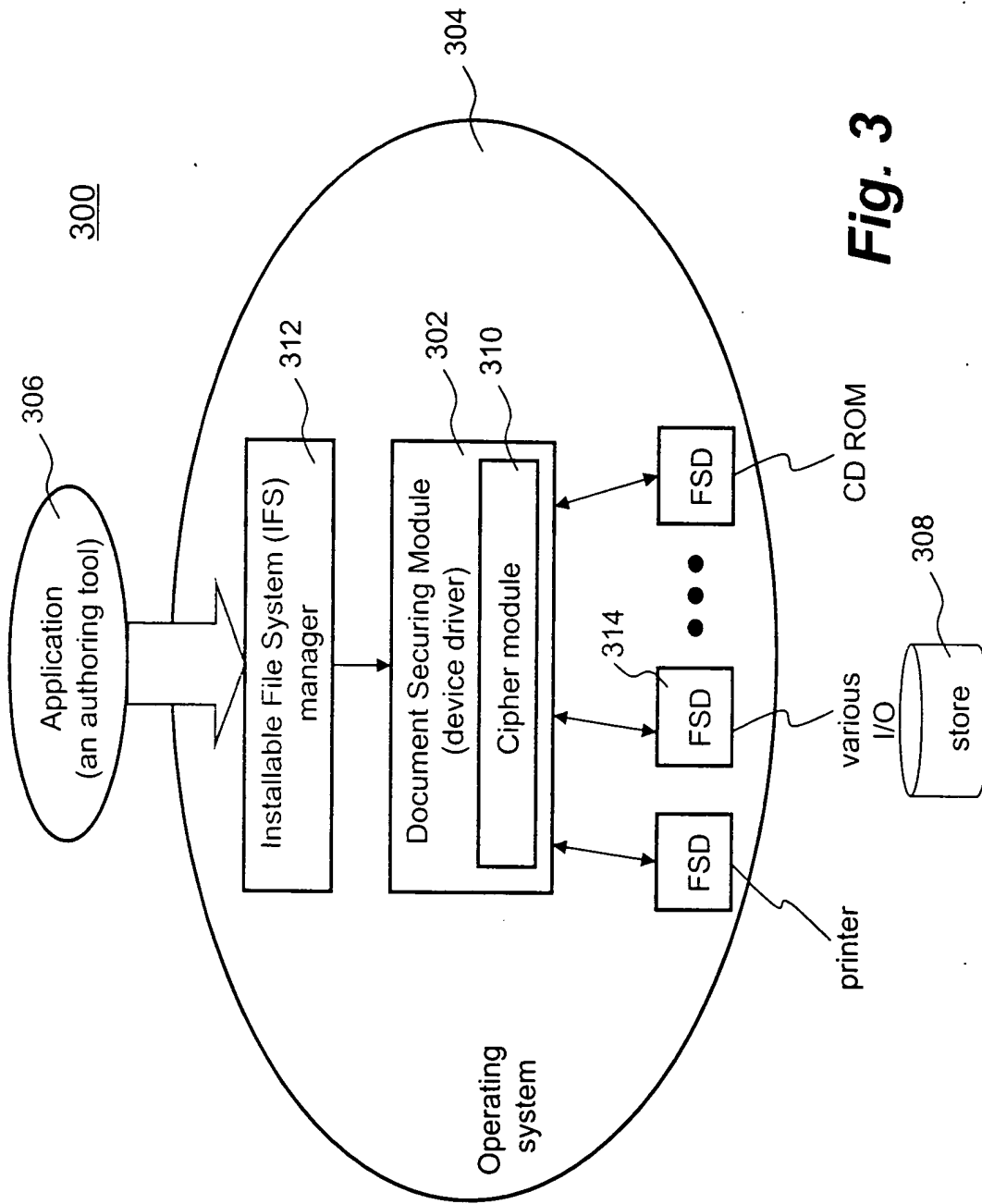


Fig. 3

Process of securing
a document 400

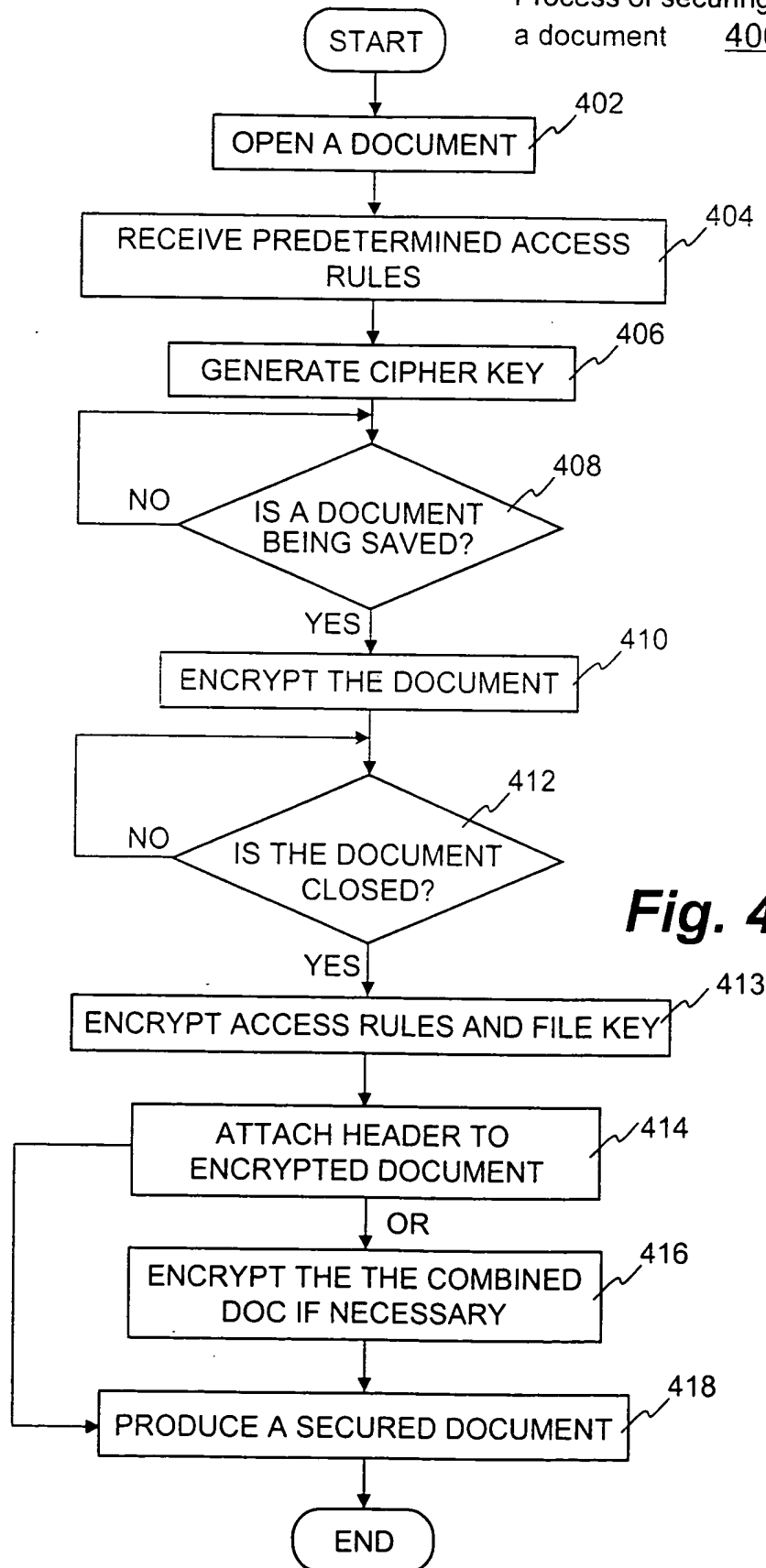


Fig. 4A

Process of receiving
access rules 430

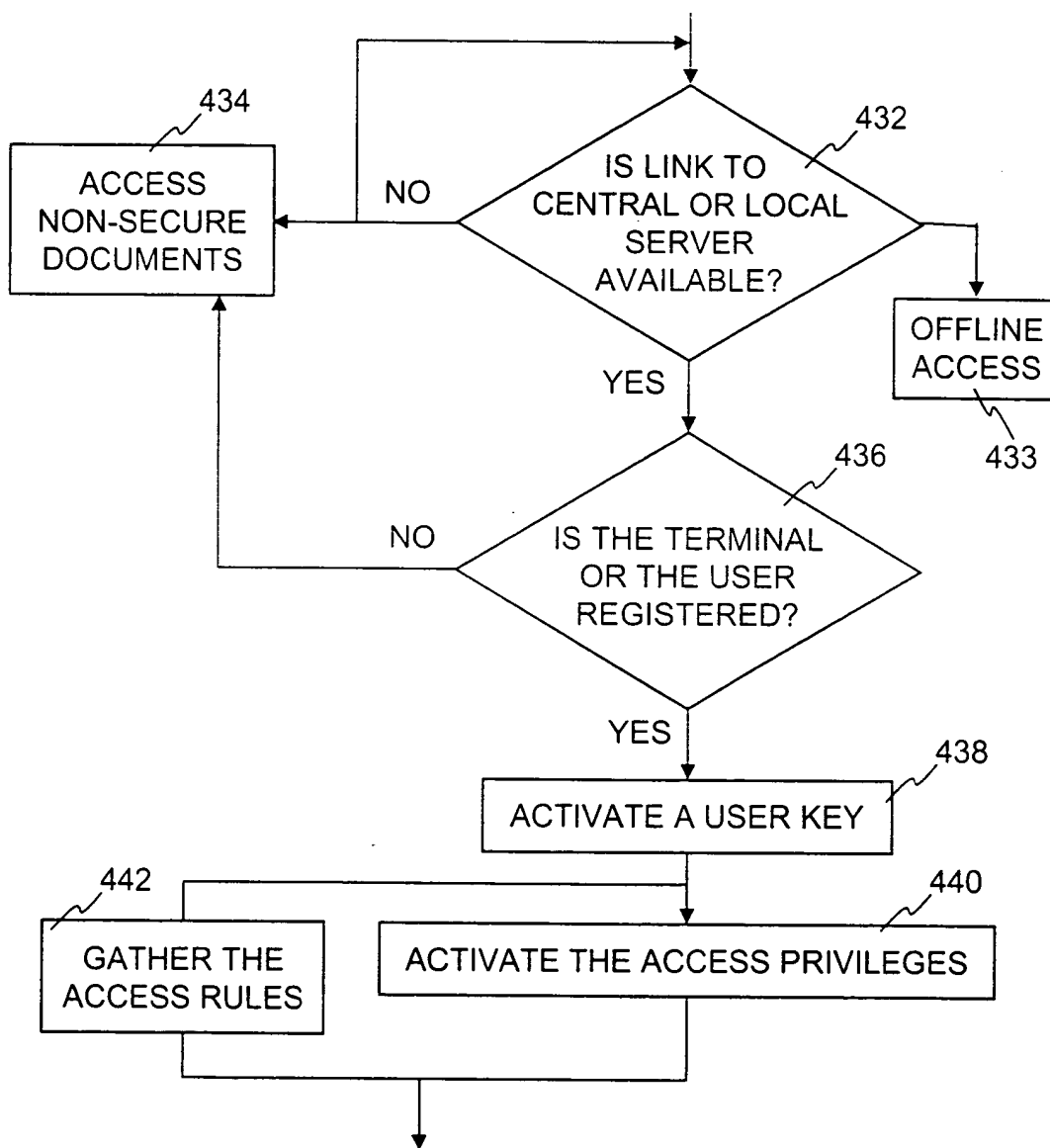
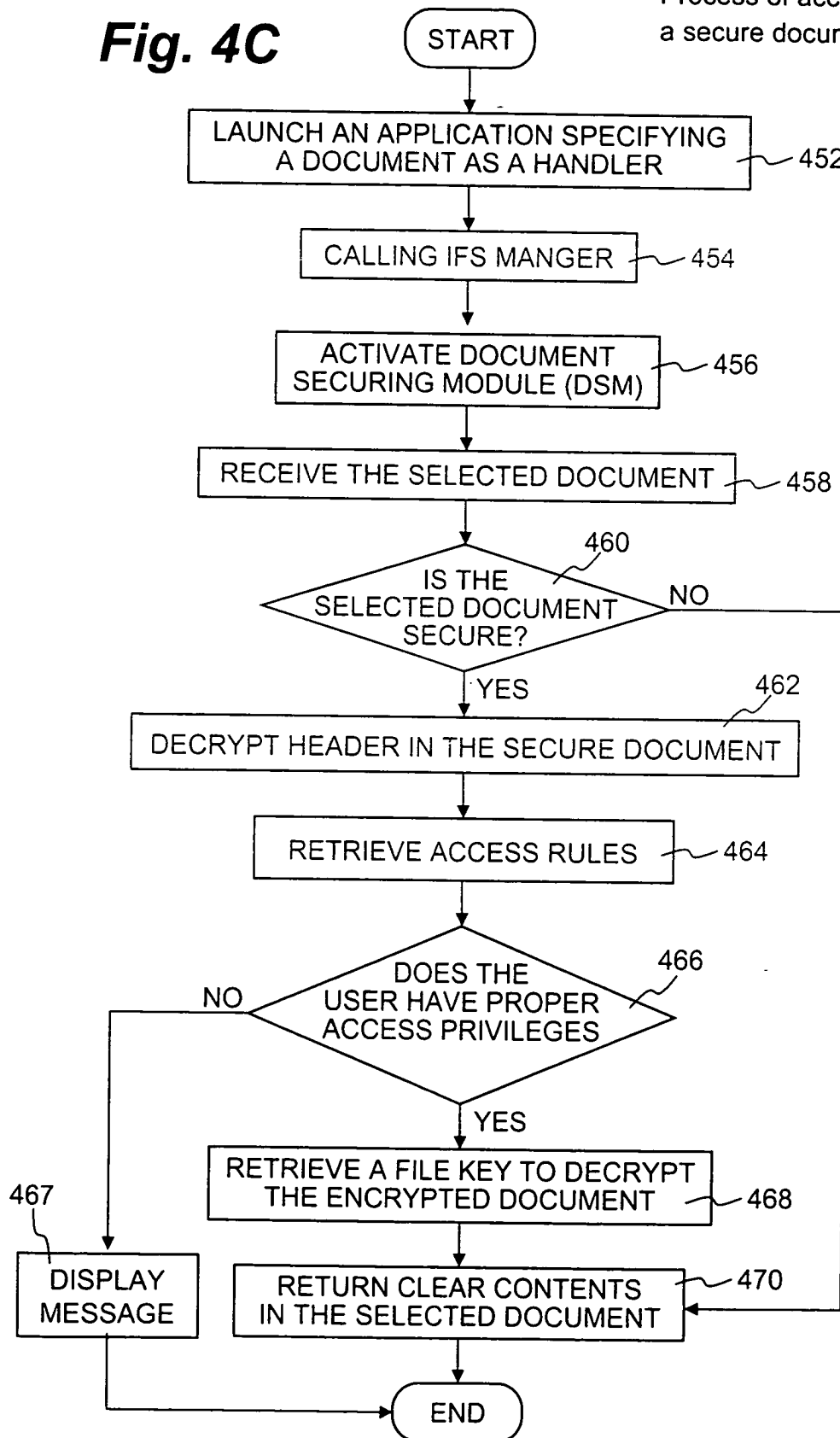


Fig. 4B

Fig. 4C

Process of accessing
a secure document 450



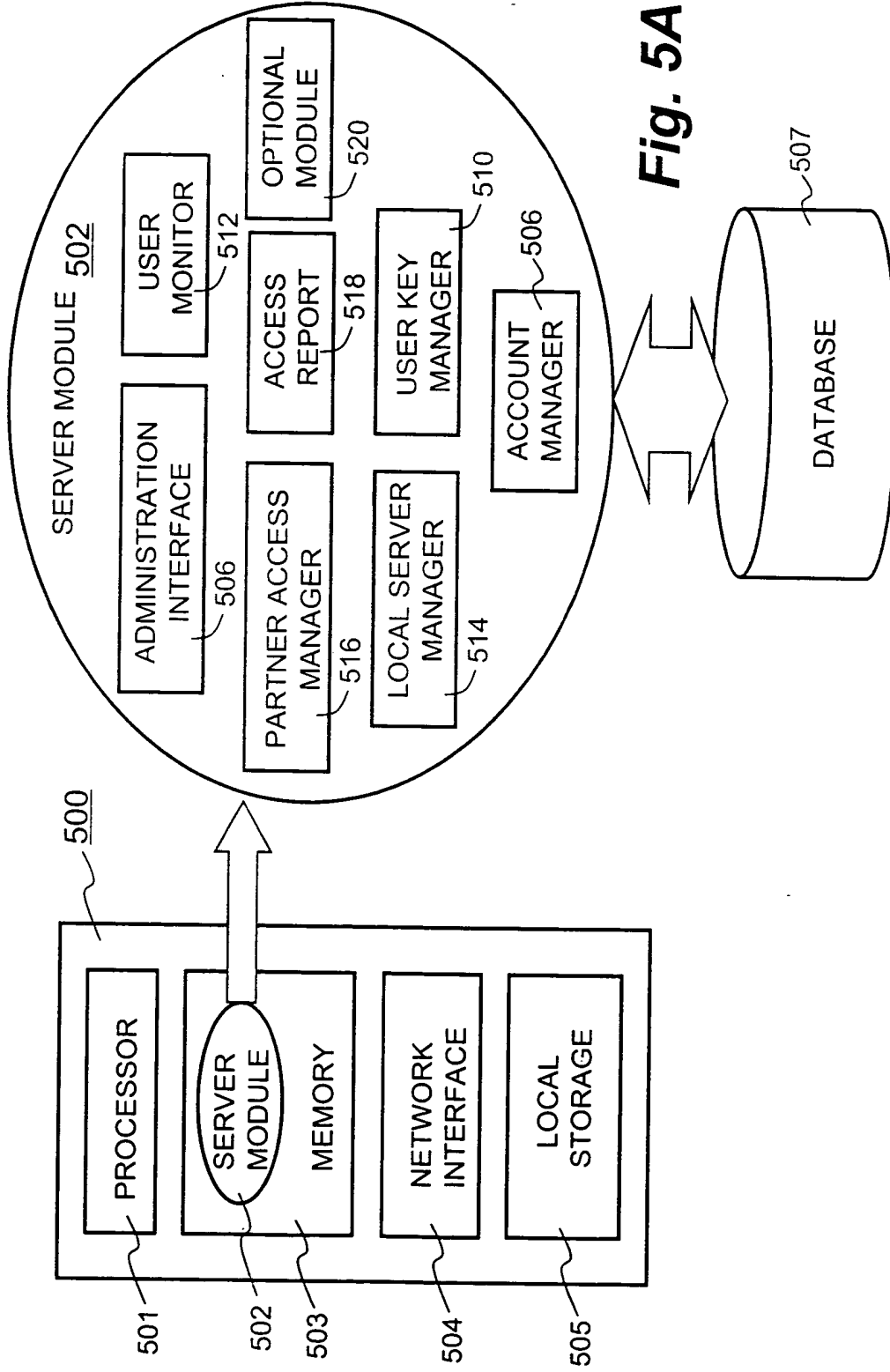


Fig. 5A

User ID	User	Open	Edit	Write	Print	Copy	Download	Others
01243	User A	Y	Y	Y	Y	Y	Y	Y
17364	User B	Y			Y			
18465	G User C	Y	Y	Y			Y	
...								

Fig. 5B.1

All user keys	Key/Key pair	Location	others
John's	111101101010101	128.1.100.64, ...	
Mike's, Dell's	101011000111111	64.100.1.128, ...	
Finance group	010101010111111	64.100.1.100, ...	
...			

Fig. 5B.2

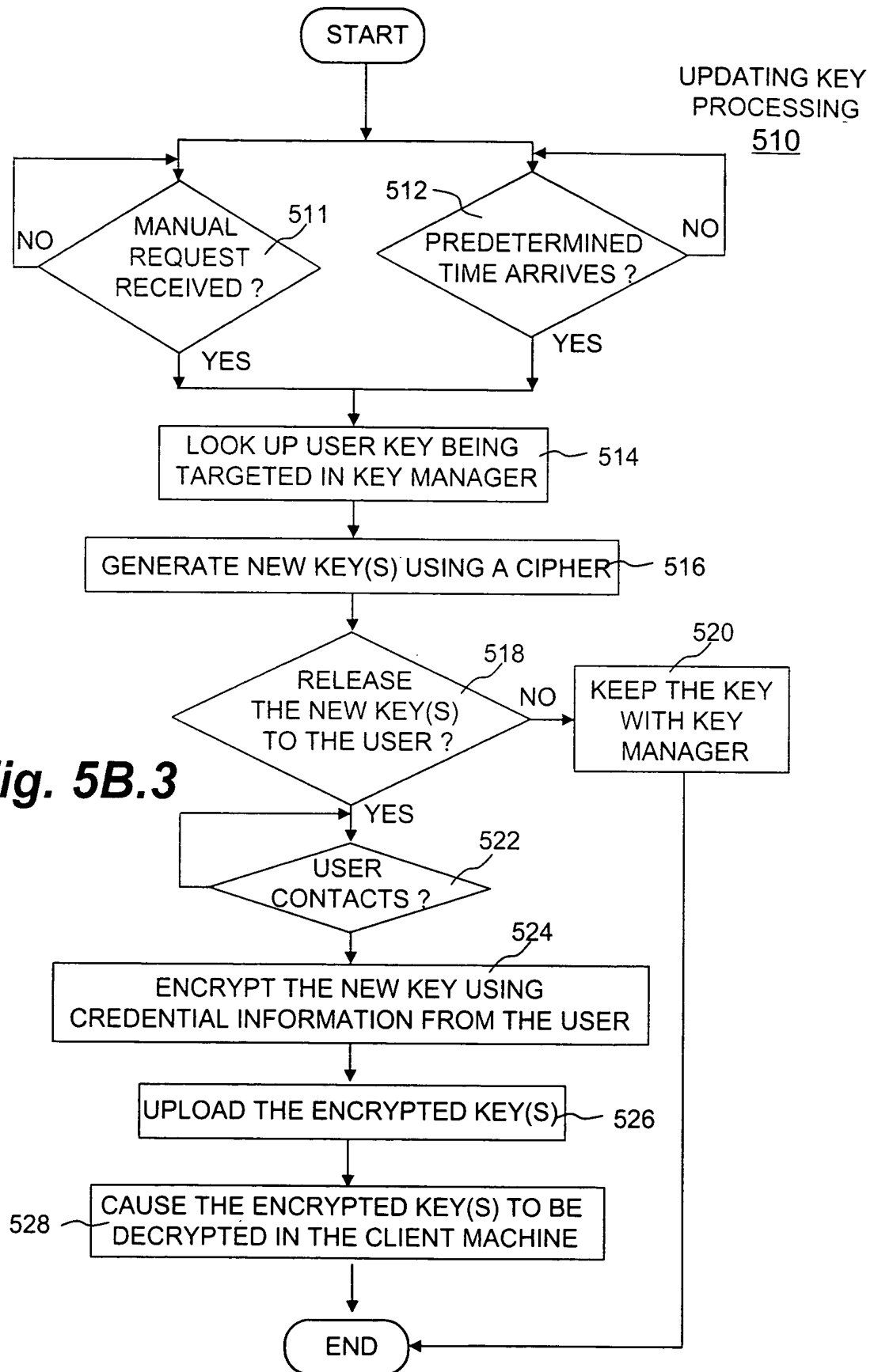


Fig. 5B.3

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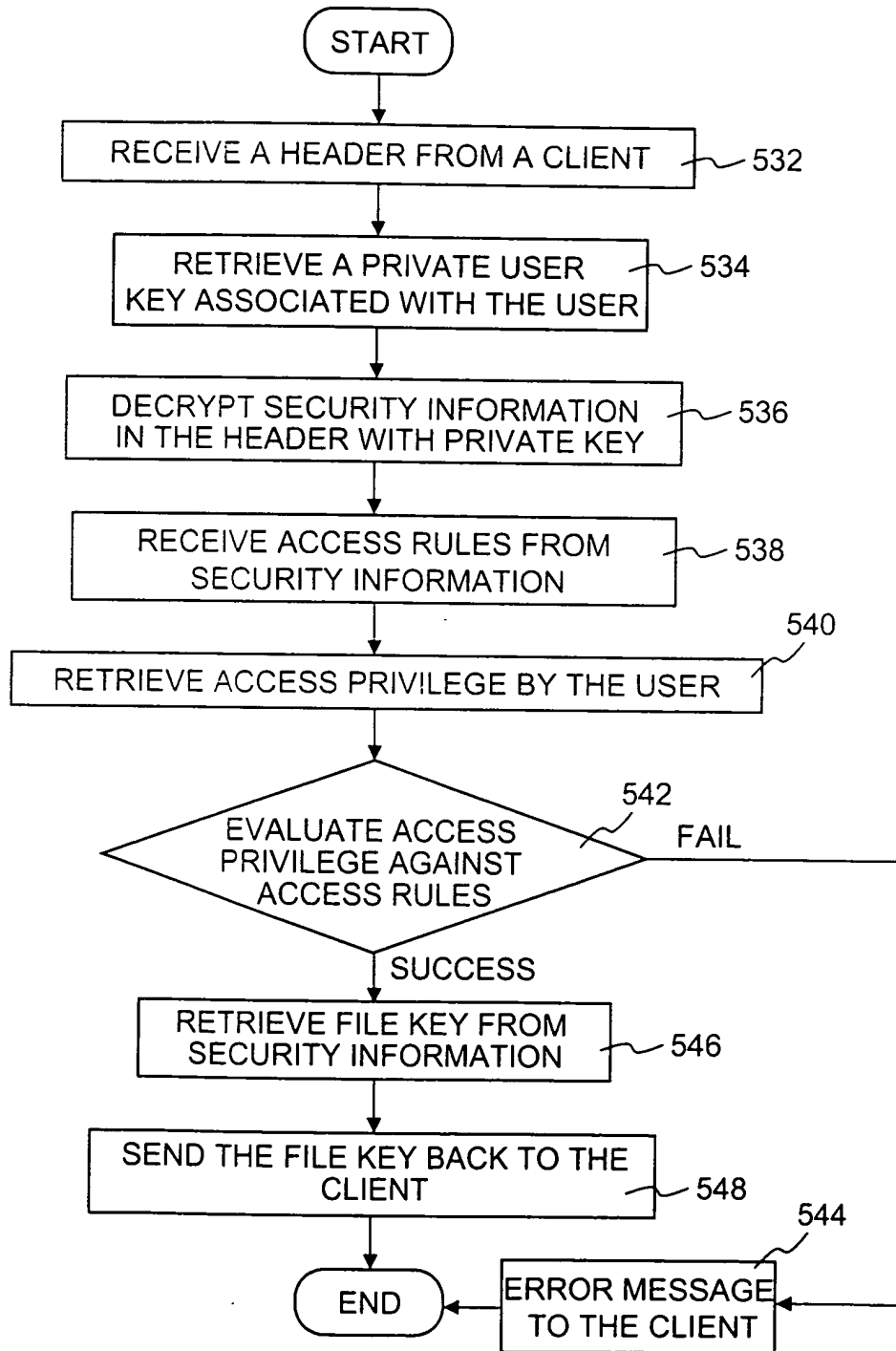


Fig. 5B.4

Server Assisted Process
of securing a document
550

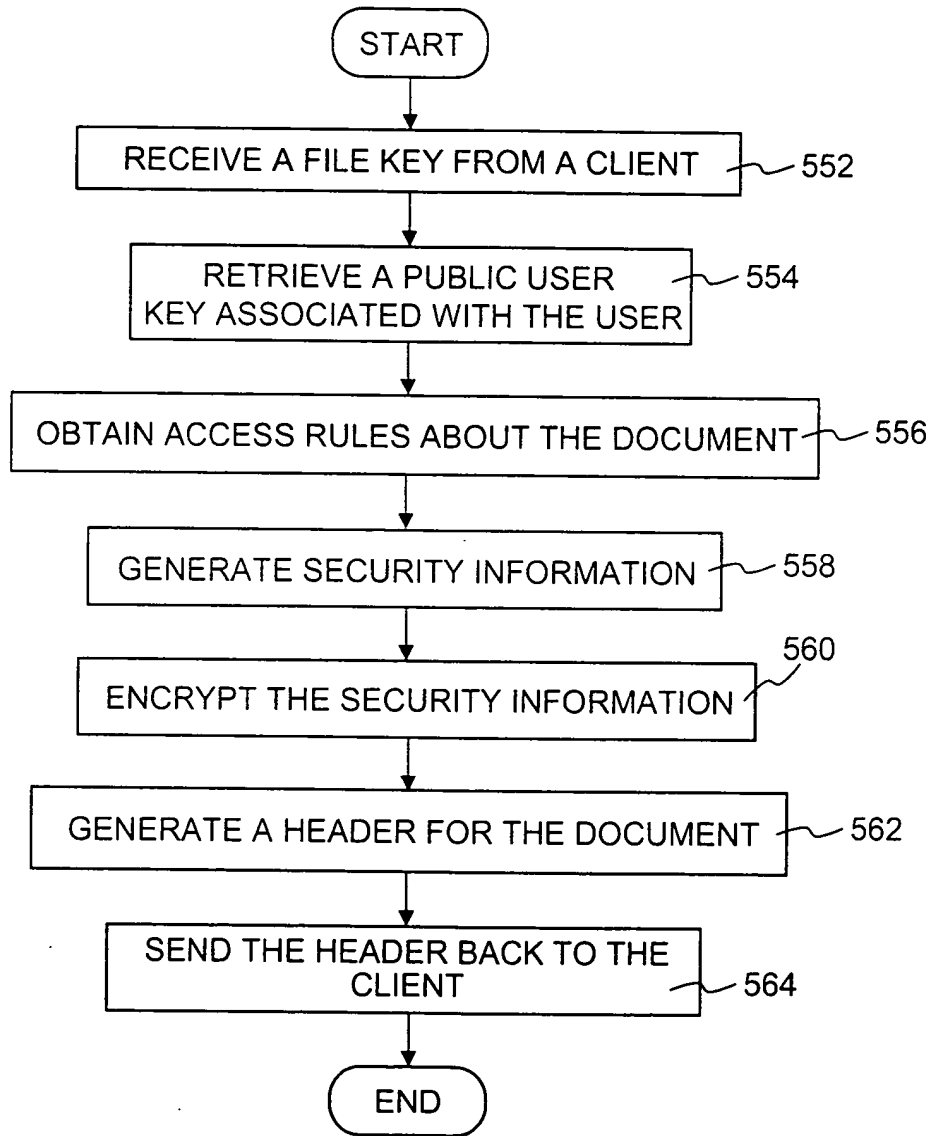


Fig. 5B.5

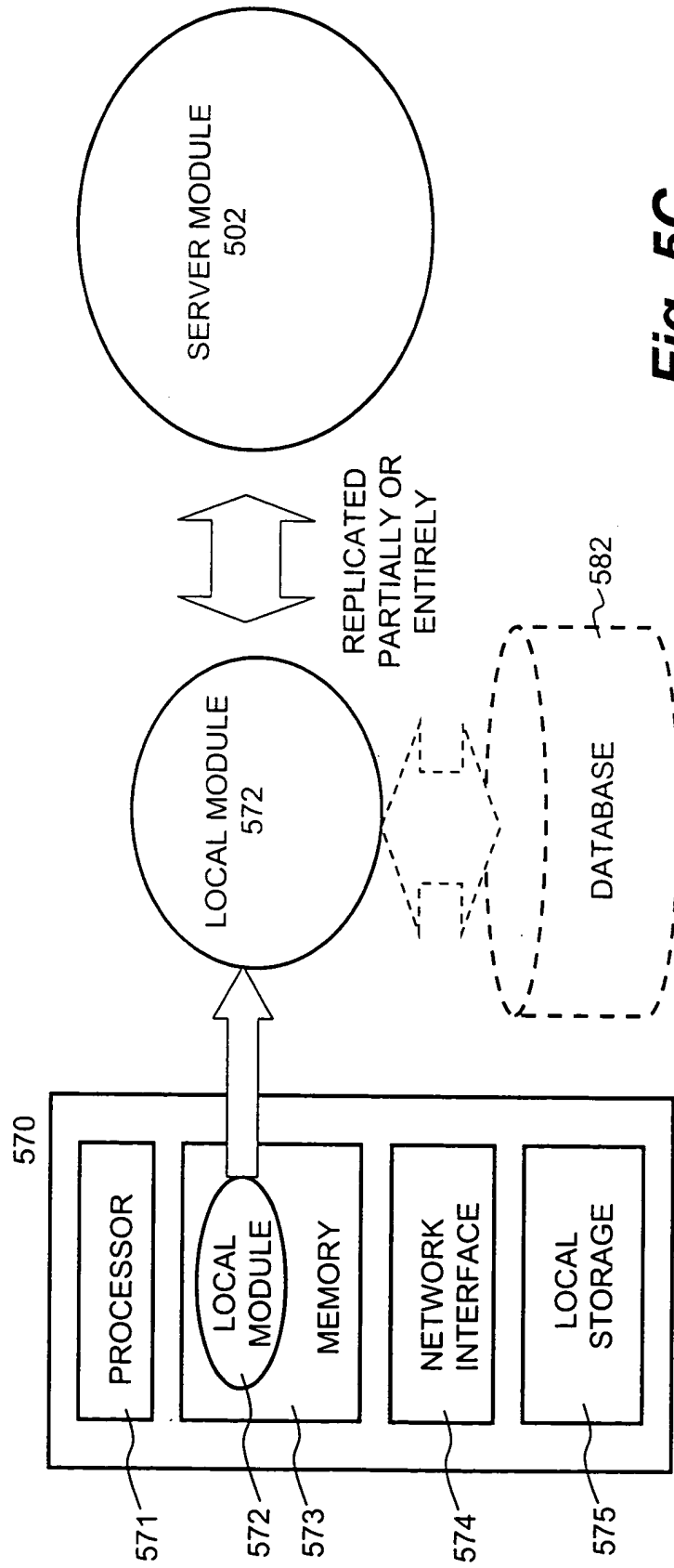


Fig. 5C

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USER	PASSWORD	ACCESS PRIVILEGES
John	*****	L=10, T=24, D=ALL, C=ALL
Dell	*****	L=1, T=8, D=M-F, C=A
Mike	*****	L=5, T=12, D=M-S, C=A & B
• • •		

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Fig. 5D

For Local Server A

USER	PASSWORD
John	*****
Dell	*****
Mike	*****
• • •	

For Local Server B

USER	PASSWORD
John	*****
Mike	*****
• • •	

For Local Server C

USER	PASSWORD
John	*****
• • •	

Fig. 5E

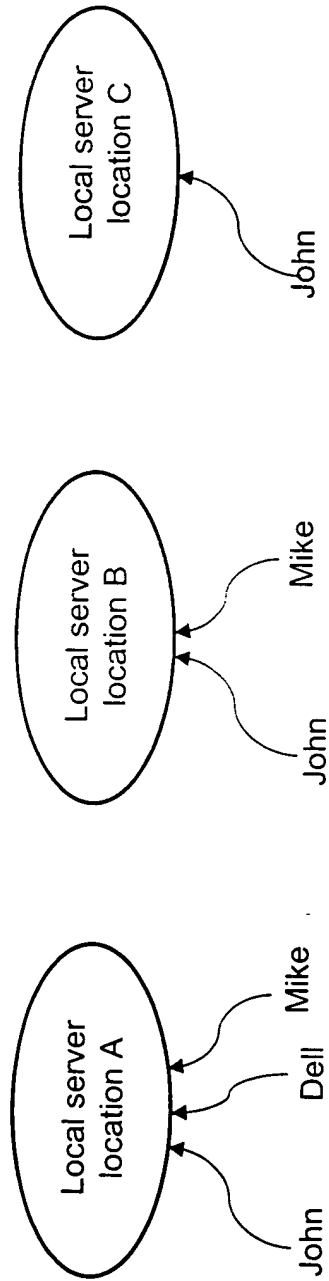


Fig. 5F

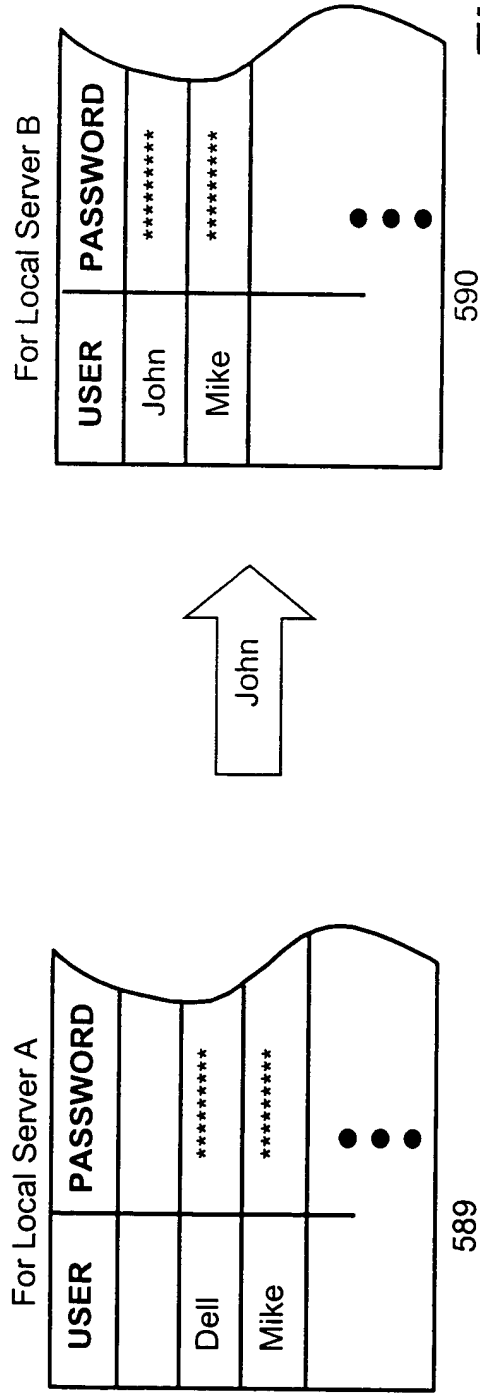


Fig. 5G

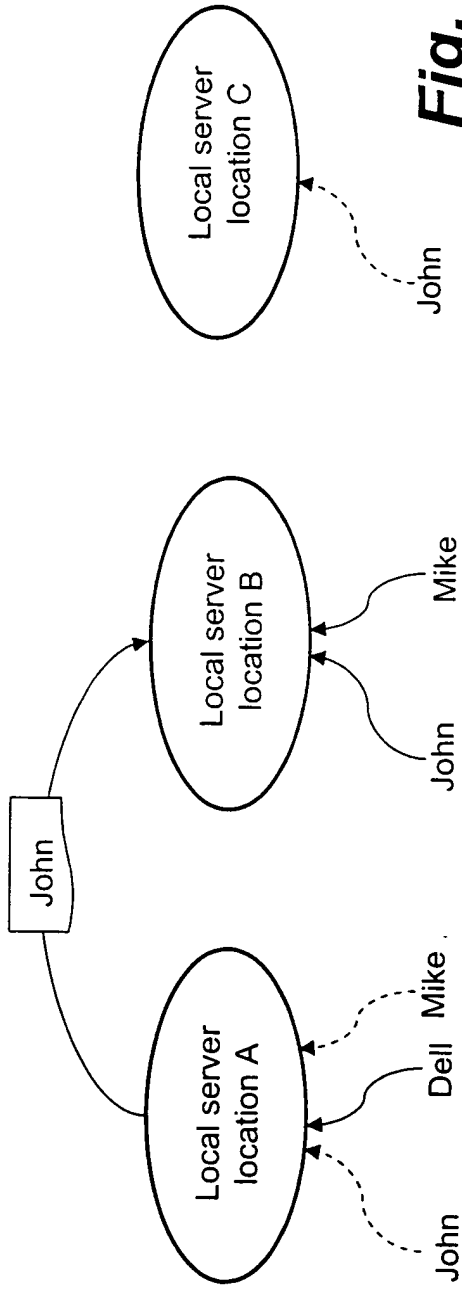


Fig. 5H

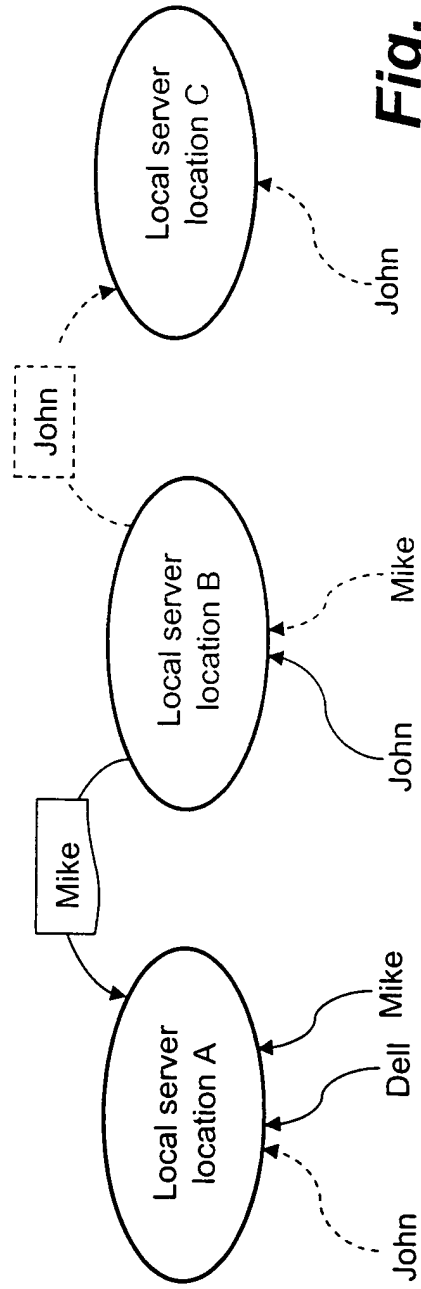


Fig. 5I

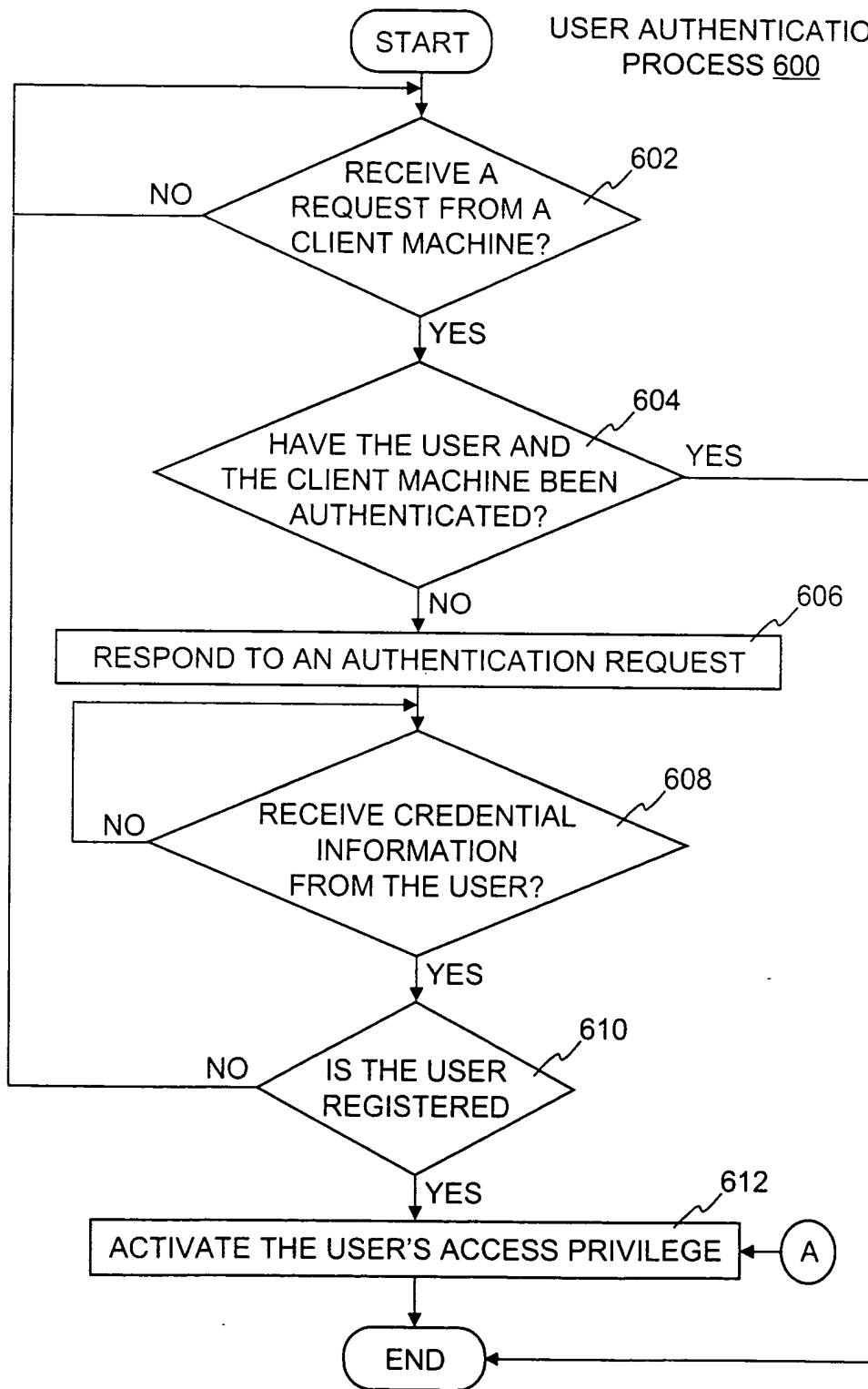


Fig. 6A

DYNAMIC CA
MANAGEMENT
PROCESS 620

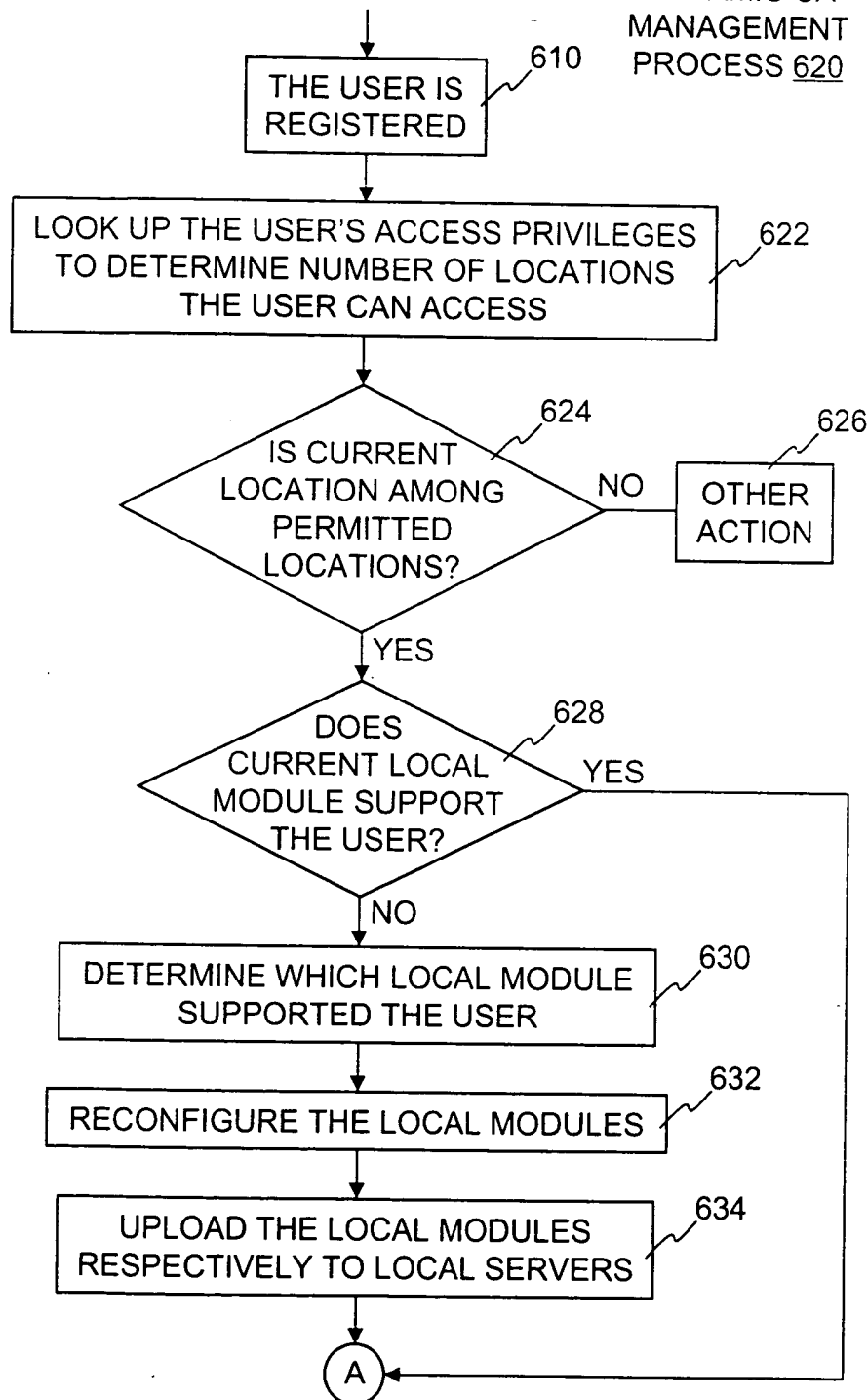


Fig. 6B

PROCESS OF
RECONFIGURING
LOCAL MODULE
640

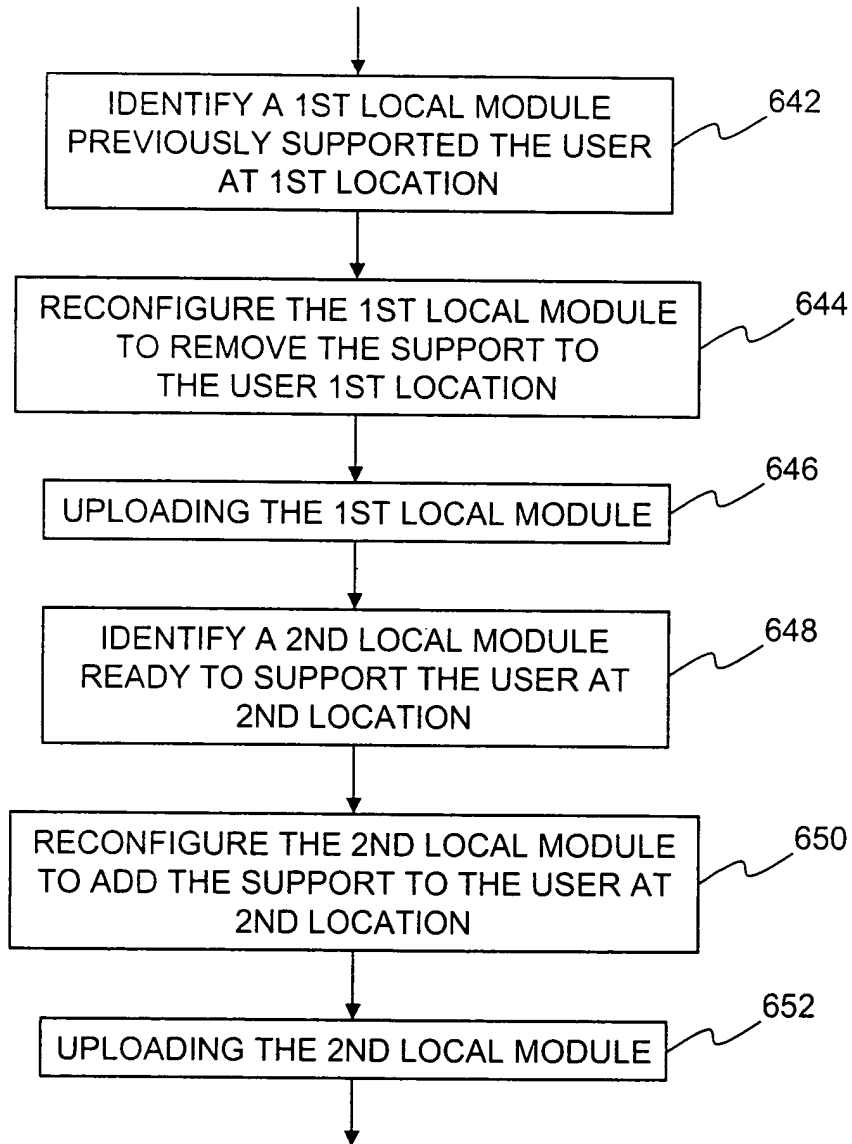


Fig. 6C

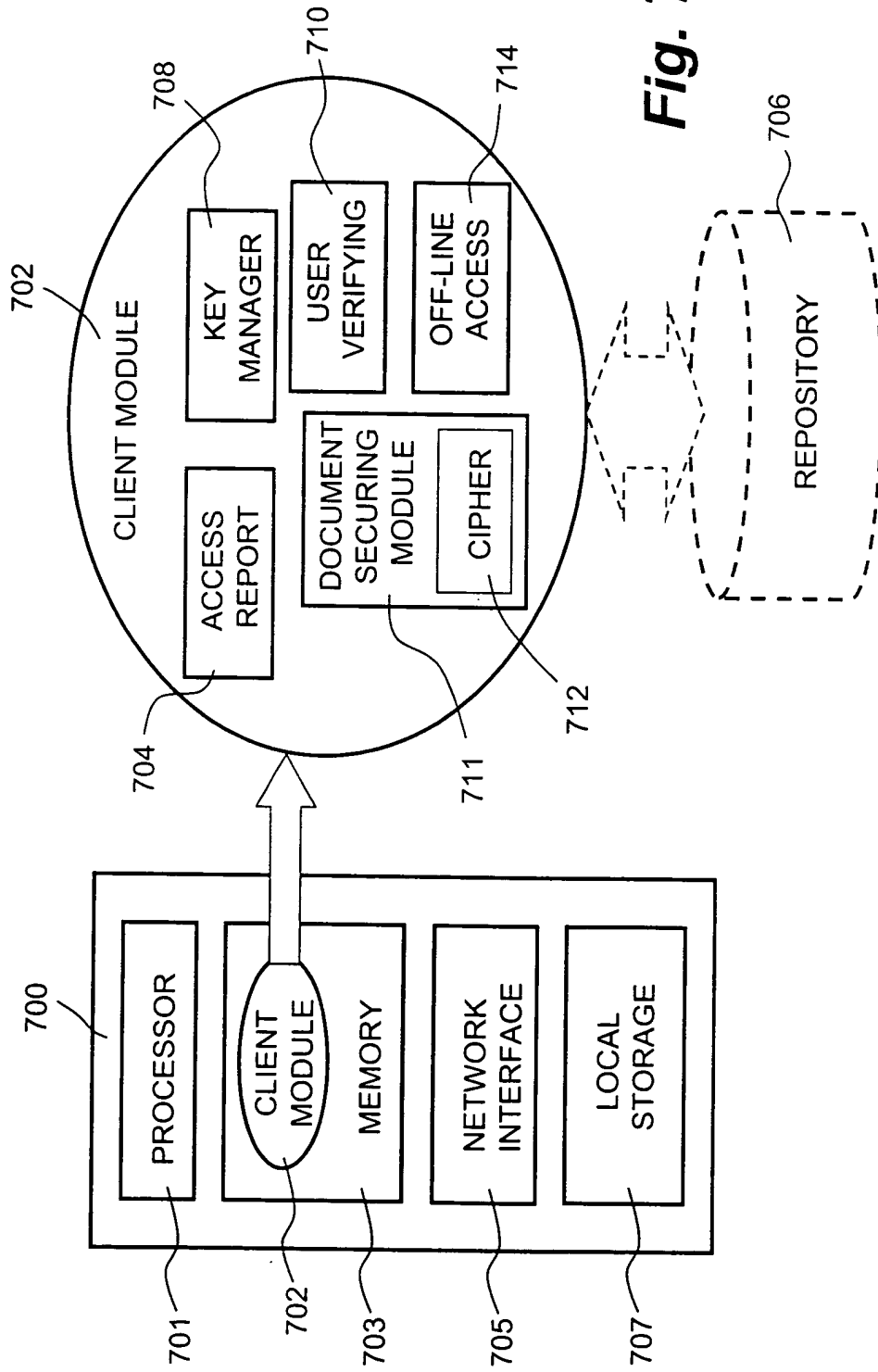


Fig. 7A

720

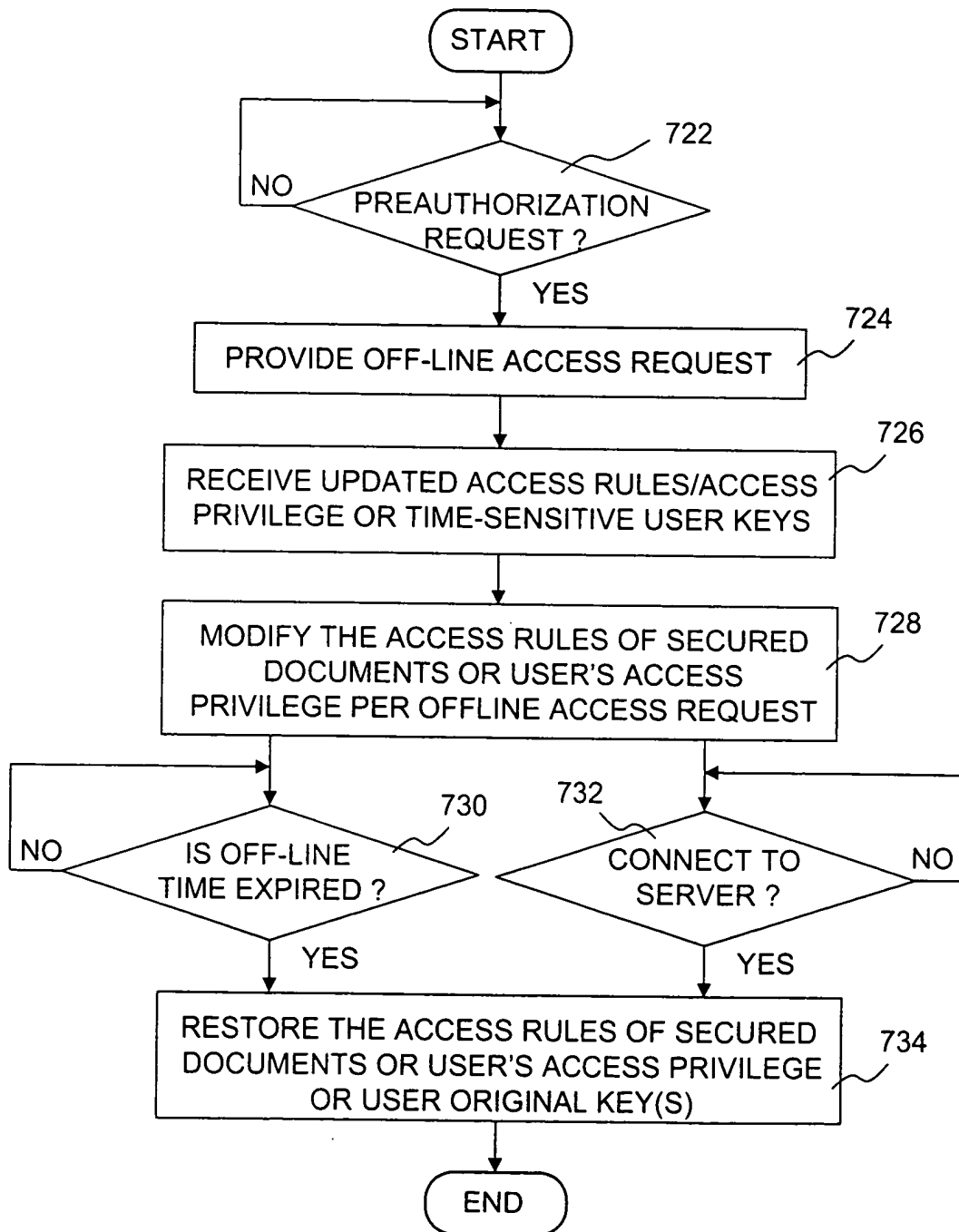


Fig. 7B

